



ITW

S/N 10/675,879

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|             |   |                  |            |
|-------------|---|------------------|------------|
| Applicant:  | Changwen Liu  | Examiner:        | Unknown    |
| Serial No.: | 10/675,879  | Group Art Unit:  | 2681       |
| Filed:      | September 30, 2003  | Docket:          | 884.933US1 |
| Title:      | SYSTEMS AND METHODS FOR CONTENTION CONTROL IN WIRELESS NETWORKS |                  |            |
| Assignee:   | Intel Corporation   | Customer Number: | 21186      |

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Several of the attached documents were discovered as a result of a Search Report in Applicant's corresponding foreign patent application. Enclosed for the Examiner's information are copies of the cited documents and the Search Report.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Supplemental Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Supplemental Information Disclosure Statement considered.

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Customer No.: 21186

Serial No.: 10/675,879

Filing Date: September 30, 2003

Title: SYSTEMS AND METHODS FOR CONTENTION CONTROL IN WIRELESS NETWORKS

Assignee: Intel Corporation

Page 2

Dkt: 884.933US1 (INTEL)

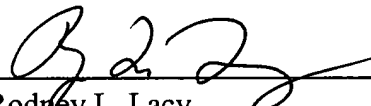
The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

CHANGWEN LIU

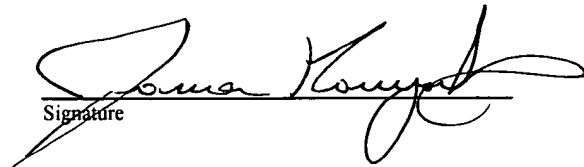
By his Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
Attorneys for Intel Corporation  
P.O. Box 2938  
Minneapolis, MN 55402  
(612) 373-6954

Date October 11, 2005 By   
Rodney L. Lacy  
Reg. No. 41,136

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 11th day of October, 2005.

JAMES KAUYUSIK  
Name

  
Signature



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:  
Title:

Changwen Liu

SYSTEMS AND METHODS FOR CONTENTION CONTROL IN WIRELESS NETWORKS

Docket No.: 884.933US1  
Filed: September 30, 2003  
Examiner: Unknown

Serial No.: 10/675,879  
Due Date: N/A  
Group Art Unit: 2681

**MS Amendment**

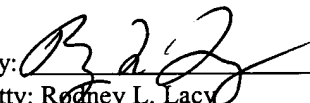
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):


- ☒ Return postcard.
- ☒ Supplemental Information Disclosure Statement (2 pgs.), Form 1449 (1 pg.), and copies of 7 cited documents.

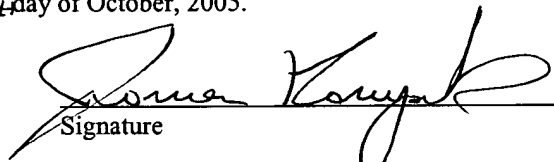
If not provided for in a separate paper filed herewith, Please consider this a **PETITION FOR EXTENSION OF TIME** for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
Customer Number 21186

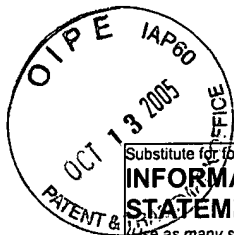
By:   
Atty: Rodney L. Lacy  
Reg. No. 41,136

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Name

  
Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.  
(GENERAL)



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

|                      |                    |
|----------------------|--------------------|
| Application Number   | 10/675,879         |
| Filing Date          | September 30, 2003 |
| First Named Inventor | Liu, Changwen      |
| Group Art Unit       | 2681               |
| Examiner Name        | Unknown            |

Sheet 1 of 1

Attorney Docket No: 884.933US1

**FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials* | Foreign Document No | Publication Date | Name of Patentee or Applicant of cited<br>Document | T <sup>2</sup> |
|-----------------------|---------------------|------------------|--|----------------|
|                       | WO-2005/034437A1    | 04/14/2005       | Liu, C.  |                |

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item<br>(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),<br>publisher, city and/or country where published. | T <sup>2</sup> |
|-----------------------|-------------------------|---|----------------|
|                       |                         | "International Search Report for Corresponding PCT Application No.<br>PCT/US2004/031907", (January 17, 2005), 3 Pages   |                |
|                       |                         | AAD, I., et al., "Enhancing IEEE 802.1 Performance in Congested<br>Environments", <u>Annals Des Telecommunications</u> , 58, Abstract in English, (Mar.,<br>2003), 397-416  |                |
|                       |                         | IEEE COMPUTER SOCIETY, "Part 11: Wireless LAN Medium Access Control<br>(MAC) and Physical Layer (PHY) Specifications", <u>IEEE Std. 802.11-1997</u> , (June<br>26, 1997), 459 pgs.  |                |
|                       |                         | KWON, Y., et al., "A Novel MAC Protocol with Fast Collision Resolution for<br>Wireless LANs", <u>INFOCOM 2003. Twenty-Second Annual Joint Conference of<br/>the IEEE Computer and Communications Societies</u> , Vol. 2, (2003), 853-862                              |                |
|                       |                         | NI, Q., et al., "Modelling and Analysis of Slow CW Decrease for IEEE 802.11<br>WLAN", <u>14th IEEE 2003 International Symposium on Personal, Indoor and<br/>Mobile Radio Communication proceedings</u> , 2, (Sep. 7, 2003), 1717-1721                                 |                |
|                       |                         | WU, H., et al., "IEEE 802.11 Distributed coordination function(DCF): Analysis<br>and Enhancement", <u>Proceedings of the IEEE International Conference on<br/>Communications</u> , 1, (Apr. 28, 2002), 605-609  |                |

EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional) <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached